

SOUND SOURCE LOCALIZATION SYSTEM, AND SOUND REFLECTING
ELEMENT

Abstract

Enables the estimation of a sound source position at an angle in a system with a small number of microphones, which was conventionally difficult to perform, and improve the precision of estimating the sound source position. By forming a reflecting surface RS as an enveloping surface of a spheroid in which a position of sound collecting means and a sound source position are the focal points, a major reflected wave having a delay amount corresponding to a sound source position is generated, and the delay amount between the direct wave and the reflected wave is checked, whereby the sound source position is acquired and estimated.

Selected Drawing Fig. 5